

1. (CURRENTLY AMENDED) An adjustable seating height wheelchair, comprising:

- a wheelchair frame providing structural support ~~for to~~ the wheelchair;
- a plurality of wheels, attached to the frame, ~~for~~ allowing the wheelchair to roll;
- a seating surface, ~~for~~ providing a seat ~~for to~~ a user of the wheelchair; and
- an adjustable seating height mechanism, ~~for~~ mechanically moving the seating surface relative to the wheelchair frame between at least two height levels, the adjustable seating height mechanism including:
 - a pneumatic device ~~which may be extended and retracted~~ extendable and retractable under pneumatic pressure, the pneumatic device coupled to the wheelchair frame and the adjustable seating height mechanism such that when extended, the pneumatic device raises the adjustable seating height mechanism relative to the wheelchair frame to one of the at least two height levels, and when retracted, lowers the adjustable seating height mechanism relative to the wheelchair frame to another of the at least two seating height levels, such that the plurality of wheels all remain in contact with the ground when the adjustable seating height mechanism is extended and retracted;
 - a pneumatic storage tank, coupled to the pneumatic device, ~~for~~ storing a gaseous fluid under pressure and providing pressurized gaseous fluid to the pneumatic device to extend the pneumatic device, and
 - a control valve, coupled to the pneumatic storage tank and the pneumatic device, ~~for~~ controlling the flow of the gaseous fluid under pressure to and from the pneumatic device such that when actuated, the pneumatic device may be controllably extended and retracted.

2. (PREVIOUSLY PRESENTED) The adjustable seating height wheelchair of claim 1, further comprising:

a fill valve, coupled to the pneumatic storage tank, for allowing the pneumatic storage tank to be periodically recharged.

3. (PREVIOUSLY PRESENTED) The adjustable seating height wheelchair of claim 1, further comprising:

at least one locking pin, coupled to the adjustable seating height mechanism, for locking the adjustable seating height mechanism at at least one of the two seating height levels.

4. (PREVIOUSLY PRESENTED) The adjustable seating height wheelchair of claim 1, further comprising:

a pump, mounted to the wheelchair, for recharging the pneumatic storage tank.

5. (CURRENTLY AMENDED) ~~An The~~ adjustable seating height wheelchair of ~~claim 1,~~
comprising:

a wheelchair frame providing structural support to the wheelchair;

a plurality of wheels, attached to the frame, allowing the wheelchair to roll;

a seating surface, providing a seat to a user of the wheelchair; and

an adjustable seating height mechanism, mechanically moving the seating surface between at least two height levels, the adjustable seating height mechanism including:

a pneumatic device extendable and retractable under pneumatic pressure, the pneumatic device coupled to the wheelchair frame and the adjustable seating height mechanism such that

when extended, the pneumatic device raises the adjustable seating height mechanism to one of the at least two height levels, and when retracted, lowers the adjustable seating height mechanism to another of the at least two seating height levels,

a pneumatic storage tank, coupled to the pneumatic device, storing a gaseous fluid under pressure and providing pressurized gaseous fluid to the pneumatic device to extend the pneumatic device, and

a control valve, coupled to the pneumatic storage tank and the pneumatic device, controlling the flow of the gaseous fluid under pressure to and from the pneumatic device such that when actuated, the pneumatic device may be controllably extended and retracted;

wherein said adjustable seating height mechanism further comprises a scissors lift coupled between the frame and the seating surface, to uniformly lift the seating surface while maintaining the seating surface in a horizontal position.

6. (PREVIOUSLY PRESENTED) The adjustable seating height wheelchair of claim 1, wherein said pneumatic device further comprises a pneumatic cylinder.

7. (PREVIOUSLY PRESENTED) The adjustable seating height wheelchair of claim 1, wherein said pneumatic device further comprises an air bag.

8. (CURRENTLY AMENDED) A method of adjusting the seating height of a wheelchair comprising a wheelchair frame providing structural support for the wheelchair, a plurality of wheels,

attached to the frame, for allowing the wheelchair to roll, a seating surface, for providing a seat for a user of the wheelchair, and an adjustable seating height mechanism, the method comprising the steps of:

storing, in a pneumatic storage tank, coupled to the pneumatic device, a gaseous fluid under pressure,

extending and retracting a pneumatic device coupled to the wheelchair frame, under pneumatic pressure supplied by the pneumatic storage tank, the pneumatic device coupled to adjustable seating height mechanism such that when extended, the pneumatic device raises the adjustable seating height mechanism relative to the wheelchair frame, to one of the at least two height levels, and when retracted, lowers the method of adjusting the seating height mechanism surface relative to the wheelchair frame to another of the at least two seating height level s, such that the plurality of wheels all remain in contact with the ground when the adjustable seating height mechanism is extended and retracted, and

controlling, with a control valve, coupled to the pneumatic storage tank and the pneumatic device, the flow of the gaseous fluid under pressure to and from the pneumatic device such that when actuated, the pneumatic device may be controllably extended and retracted.

9. (PREVIOUSLY PRESENTED) The method of adjusting the seating height of a wheelchair of claim 8, further comprising the step of recharging the pneumatic storage tank with a fill valve, coupled to the pneumatic storage tank recharged.

10. (PREVIOUSLY PRESENTED) The method of adjusting the seating height of a wheelchair of claim 8, further comprising the step of locking, with at least one locking pin coupled to the adjustable seating height mechanism, the adjustable height mechanism to at least one of the two seating height levels.

11. (PREVIOUSLY PRESENTED) The method of adjusting the seating height of a wheelchair of claim 8, further comprising the step of recharging the pneumatic storage tank using an on-board pump coupled to the wheelchair.

12. (CURRENTLY AMENDED) ~~A The method of adjusting the seating height of a wheelchair of claim 8, comprising a wheelchair frame providing structural support for the wheelchair, a plurality of wheels, attached to the frame, for allowing the wheelchair to roll, a seating surface, for providing a seat for a user of the wheelchair, and an adjustable seating height mechanism, the method comprising the steps of:~~

~~storing, in a pneumatic storage tank, coupled to the pneumatic device, a gaseous fluid under pressure,~~

~~extending and retracting a pneumatic device under pneumatic pressure supplied by the pneumatic storage tank, the pneumatic device coupled to adjustable seating height mechanism such that when extended, the pneumatic device raises the adjustable seating height mechanism to one of the at least two height levels, and when retracted, lowers the method of adjusting the seating height mechanism to another of the at least two seating height levels, and~~

~~controlling, with a control valve, coupled to the pneumatic storage tank and the pneumatic device, the flow of the gaseous fluid under pressure to and from the pneumatic device such that when actuated, the pneumatic device may be controllably extended and retracted,~~

further comprising the step of uniformly lifting the seating surface while maintaining the seating surface in a horizontal position using an adjustable seating height mechanism includes a scissors lift coupled between the frame and the seating surface.

13. (PREVIOUSLY PRESENTED) The method of adjusting the seating height of a wheelchair of claim 8, wherein the pneumatic device further comprises a pneumatic cylinder.

14. (PREVIOUSLY PRESENTED) The method of adjusting the seating height of a wheelchair of claim 8, wherein the pneumatic device further comprises an air bag.

15. (NEW) The adjustable seating height wheelchair of claim 5, further comprising:
a fill valve, coupled to the pneumatic storage tank, for allowing the pneumatic storage tank to be periodically recharged.

16. (NEW) The adjustable seating height wheelchair of claim 5, further comprising:
at least one locking pin, coupled to the adjustable seating height mechanism, for locking the adjustable seating height mechanism at at least one of the two seating height levels.

17. (NEW) The adjustable seating height wheelchair of claim 5, further comprising:
a pump, mounted to the wheelchair, for recharging the pneumatic storage tank.

18. (NEW) The adjustable seating height wheelchair of claim 5, wherein said pneumatic device

further comprises a pneumatic cylinder.

19. (NEW) The adjustable seating height wheelchair of claim 5, wherein said pneumatic device further comprises an air bag.

20. (NEW) The method of adjusting the seating height of a wheelchair of claim 12, further comprising the step of recharging the pneumatic storage tank with a fill valve, coupled to the pneumatic storage tank recharged.

21. (NEW) The method of adjusting the seating height of a wheelchair of claim 12, further comprising the step of locking, with at least one locking pin coupled to the adjustable seating height mechanism, the adjustable height mechanism to at least one of the two seating height levels.

22. (NEW) The method of adjusting the seating height of a wheelchair of claim 12, further comprising the step of recharging the pneumatic storage tank using an on-board pump coupled to the wheelchair.

23. (NEW) The method of adjusting the seating height of a wheelchair of claim 12, wherein the pneumatic device further comprises a pneumatic cylinder.

24. (NEW) The method of adjusting the seating height of a wheelchair of claim 12, wherein the pneumatic device further comprises an air bag.